

I. Gerslberg 41-37-3-35-13

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Hybrid Fiber Twisted Pair Local Loop Network Service Architecture** the specification of which was filed on December 31, 1997, as application Serial No. 09/001360.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Samuel H. Dworetsky	(Reg. No. 27873)
Thomas A. Restaino	(Reg. No. 33444)
Robert B. Levy	(Reg. No. 28234)
Michelle Conover	(Reg. No. 34962)
Jose R. de la Rosa	(Reg. No. 34810)
Karin L. Williams	(Reg. No. 36721)
Barry H. Freedman	(Reg. No. 26166)
Alfred G. Steinmetz	(Reg. No. 22971)
Stephen M. Gurey	(Reg. No. 27336)
Jeffrey M. Weinick	(Reg. No. 36304)

Please address all correspondence to Mr. S. H. Dworetsky, AT&T Corp., P. O. Box 4110, Middletown, New Jersey 07748. Telephone calls should be made to Alfred G. Steinmetz by dialing 973-386-2718.

Full name of 1st joint inventor: Irwin Gerszberg

Inventor's signature *Irwin Gerszberg* Date 3/24/98

Residence: Kendall Park, Middlesex County, New Jersey

Citizenship: United States of America

Post Office Address: 12 Dickinson Road  
Kendall Park, New Jersey 08824

Full name of 2nd joint inventor: Robert Raymond Miller II

Inventor's signature *Robert Raymond Miller II* Date 3/19/98

Residence: Township of Morris, Morris County, New Jersey

Citizenship: United States of America

Post Office Address: 12 Bradley Road  
Convent Station, New Jersey 07960

Post Office Address: 15 Candlewood Drive  
Murray Hill, New Jersey 07974

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## ASSIGNMENT AND AGREEMENT

For value received, we, Irwin Gerszberg, of Kendall Park in the County of Middlesex and State of New Jersey, Robert Raymond Miller II, of Township of Morris in the County of Morris and State of New Jersey, Dennis Matthew Romain, of Convent Station in the County of Morris and State of New Jersey, Jesse Eugene Russell, of Piscataway in the County of Middlesex and State of New Jersey, and Philip Andrew Treventi, of Murray Hill in the County of Union and State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Hybrid Fiber Twisted Pair Local Loop Network Service Architecture** described in an application for Letters Patent of the United States, Serial No. 09/001360, filed December 31, 1997, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.


We request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

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We agree that, when requested, we shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Irwin Gerszberg

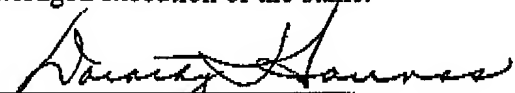
Date: 3/24/98

United States of America )

State of New Jersey ) ss.:

County of Marlboro )

On this 24<sup>th</sup> day of March, 1998, before me personally came Irwin Gerszberg, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

DOROTHY HAUNSS

A Notary Public of New Jersey  
My Commission Expires 4/16/98

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I. Gerszberg 41-37-3-35-13



Robert Raymond Miller II

Date: 3/19/98

United States of America )  
State of New Jersey ) ss.:  
County of Marlboro )

On this 19<sup>th</sup> day of March, 19 98, before me personally came Robert Raymond Miller II, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

DOROTHY HAUNSS  
A Notary Public of New Jersey  
My Commission Expires 4/16/98

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I. Gerszberg 41-37-3-35-13

Dennis Matthew Romain  
Dennis Matthew Romain

Date: 3/24/98

United States of America )  
State of New Jersey ) ss.:  
County of Atlantic )

On this 24<sup>th</sup> day of March, 1998, before me personally came Dennis Matthew Romain, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

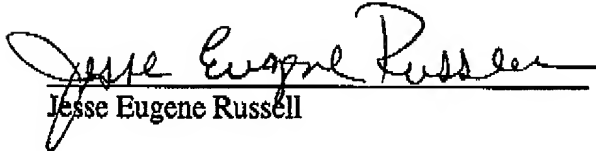
Dorothy Haunss  
Notary Public

DOROTHY HAUNSS  
A Notary Public of New Jersey  
My Comm. Expires 4/16/03

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I. Gerszberg 41-37-3-35-13

  
Jesse Eugene Russell

Date: March 24, 1998

United States of America )  
State of New Jersey ) ss.:  
County of Passaic )

On this 24<sup>th</sup> day of March, 1998, before me personally came Jesse Eugene Russell, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

DOROTHY HAUNSS  
A Notary Public of New Jersey  
My Commission Expires 4/16/99

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I. Gerszberg 41-37-3-35-13

Philip Andrew Treventi

Philip Andrew Treventi

Date: 3/24/98

United States of America )

State of New Jersey ) ss.:

County of Morris )

On this 24<sup>th</sup> day of March, 1998, before me personally came Philip Andrew Treventi, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Dorothy Haunss

Notary Public

DOROTHY HAUNSS

A Notary Public of New Jersey

AT&T Corp.  
P. O. Box 4110  
Middletown, New Jersey 07748